

CLAIMS

What is claimed is:

1. A cDNA encoding a human G protein-coupled receptor comprising SEQ.ID.NO.: 1.
- 5 2. A human G protein-coupled receptor encoded by the cDNA of SEQ.ID.NO.: 1 comprising SEQ.ID.NO.: 2.
3. A Plasmid comprising a Vector and the cDNA of SEQ.ID.NO.:1.
4. A Host Cell comprising the Plasmid of claim 3.
5. A cDNA encoding a human G protein-coupled receptor comprising 10 SEQ.ID.NO.: 3.
6. A human G protein-coupled receptor encoded by the cDNA of SEQ.ID.NO.: 3 comprising SEQ.ID.NO.: 4.
7. A Plasmid comprising a Vector and the cDNA of SEQ.ID.NO.:3.
8. A Host Cell comprising the Plasmid of claim 7.
- 15 9. A cDNA encoding a human G protein-coupled receptor comprising SEQ.ID.NO.: 5.
10. A human G protein-coupled receptor encoded by the cDNA of SEQ.ID.NO.: 5 comprising SEQ.ID.NO.: 6.
11. A Plasmid comprising a Vector and the cDNA of SEQ.ID.NO.:5.
- 20 12. A Host Cell comprising the Plasmid of claim 11.
13. A cDNA encoding a human G protein-coupled receptor comprising SEQ.ID.NO.: 7.

GOVERNMENT EDITION

14. A human G protein-coupled receptor encoded by the cDNA of SEQ.ID.NO.: 7 comprising SEQ.ID.NO.: 8.
15. A Plasmid comprising a Vector and the cDNA of SEQ.ID.NO.:7.
16. A Host Cell comprising the Plasmid of claim 15.
- 5 17. A cDNA encoding a human G protein-coupled receptor comprising SEQ.ID.NO.: 9.
18. A human G protein-coupled receptor encoded by the cDNA of SEQ.ID.NO.: 9 comprising SEQ.ID.NO.: 10.
19. A Plasmid comprising a Vector and the cDNA of SEQ.ID.NO.:9.
- 10 20. A Host Cell comprising the Plasmid of claim 19.
21. A cDNA encoding a human G protein-coupled receptor comprising SEQ.ID.NO.: 11.
22. A human G protein-coupled receptor encoded by the cDNA of SEQ.ID.NO.: 11 comprising SEQ.ID.NO.:12.
- 15 23. A Plasmid comprising a Vector and the cDNA of SEQ.ID.NO.:11.
24. A Host Cell comprising the Plasmid of claim 23.
25. A cDNA encoding a human G protein-coupled receptor comprising SEQ.ID.NO.: 13.
26. A human G protein-coupled receptor encoded by the cDNA of 20 SEQ.ID.NO.: 13 comprising SEQ.ID.NO.: 14.
27. A Plasmid comprising a Vector and the cDNA of SEQ.ID.NO.:13.
28. A Host Cell comprising the Plasmid of claim 27.
29. A cDNA encoding a human G protein-coupled receptor comprising

0522026296 - DEEDS

SEQ.ID.NO.: 15.

30. A human G protein-coupled receptor encoded by the cDNA of SEQ.ID.NO.: 15 comprising SEQ.ID.NO.: 16.
31. A Plasmid comprising a Vector and the cDNA of SEQ.ID.NO.:15.
- 5 32. A Host Cell comprising the Plasmid of claim 31.
33. A cDNA encoding a human G protein-coupled receptor comprising SEQ.ID.NO.: 17.
34. A human G protein-coupled receptor encoded by the cDNA of SEQ.ID.NO.: 17 comprising SEQ.ID.NO.: 18.
- 10 35. A Plasmid comprising a Vector and the cDNA of SEQ.ID.NO.:17.
36. A Host Cell comprising the Plasmid of claim 35.
37. A cDNA encoding a human G protein-coupled receptor comprising SEQ.ID.NO.: 19.
38. A human G protein-coupled receptor encoded by the cDNA of 15 SEQ.ID.NO.: 19 comprising SEQ.ID.NO.: 20.
39. A Plasmid comprising a Vector and the cDNA of SEQ.ID.NO.:19.
40. A Host Cell comprising the Plasmid of claim 39.
- 41. A cDNA encoding a human G protein-coupled receptor comprising SEQ.ID.NO.: 21.
- 20 42. A human G protein-coupled receptor encoded by the cDNA of SEQ.ID.NO.: 21 comprising SEQ.ID.NO.: 22.
43. A Plasmid comprising a Vector and the cDNA of SEQ.ID.NO.:21.
44. A Host Cell comprising the Plasmid of claim 43.

45. A cDNA encoding a human G protein-coupled receptor comprising SEQ.ID.NO.: 23.

46. A human G protein-coupled receptor encoded by the cDNA of SEQ.ID.NO.: 23 comprising SEQ.ID.NO.: 24.

5 47. A Plasmid comprising a Vector and the cDNA of SEQ.ID.NO.: 23.

48. A Host Cell comprising the Plasmid of claim 47.

49. A cDNA encoding a human G protein-coupled receptor comprising SEQ.ID.NO.: 25.

50. A human G protein-coupled receptor encoded by the cDNA of 10 SEQ.ID.NO.: 25 comprising SEQ.ID.NO.: 26.

51. A Plasmid comprising a Vector and the cDNA of SEQ.ID.NO.:25.

52. A Host Cell comprising the Plasmid of claim 51.

53. A cDNA encoding a human G protein-coupled receptor comprising SEQ.ID.NO.: 27.

15 54. A human G protein-coupled receptor encoded by the cDNA of SEQ.ID.NO.: 27 comprising SEQ.ID.NO.: 28.

55. A Plasmid comprising a Vector and the cDNA of SEQ.ID.NO.:27.

56. A Host Cell comprising the Plasmid of claim 55.

57. A cDNA encoding a human G protein-coupled receptor comprising 20 SEQ.ID.NO.: 29.

58. A human G protein-coupled receptor encoded by the cDNA of SEQ.ID.NO.: 29 comprising SEQ.ID.NO.: 30.

59. A Plasmid comprising a Vector and the cDNA of SEQ.ID.NO.:29.

60. A Host Cell comprising the Plasmid of claim 59.
61. A cDNA encoding a human G protein-coupled receptor comprising SEQ.ID.NO.: 31.
 62. A human G protein-coupled receptor encoded by the cDNA of SEQ.ID.NO.: 31 comprising SEQ.ID.NO.: 32.
 63. A Plasmid comprising a Vector and the cDNA of SEQ.ID.NO.:31.
 64. A Host Cell comprising the Plasmid of claim 63.
 65. A cDNA encoding a human G protein-coupled receptor comprising SEQ.ID.NO.: 33.
- 10 66. A human G protein-coupled receptor encoded by the cDNA of SEQ.ID.NO.: 33 comprising SEQ.ID.NO.: 34.
 67. A Plasmid comprising a Vector and the cDNA of SEQ.ID.NO.:33.
 68. A Host Cell comprising the Plasmid of claim 67.
 69. A cDNA encoding a human G protein-coupled receptor comprising SEQ.ID.NO.: 35.
70. A human G protein-coupled receptor encoded by the cDNA of SEQ.ID.NO.: 35 comprising SEQ.ID.NO.: 36.
 71. A Plasmid comprising a Vector and the cDNA of SEQ.ID.NO.:35.
 72. A Host Cell comprising the Plasmid of claim 71.
- 20 73. A cDNA encoding a human G protein-coupled receptor comprising SEQ.ID.NO.: 37.
 74. A human G protein-coupled receptor encoded by the cDNA of SEQ.ID.NO.: 37 comprising SEQ.ID.NO.: 38.

- 75. A Plasmid comprising a Vector and the cDNA of SEQ.ID.NO.:37.**
- 76. A Host Cell comprising the Plasmid of claim 75.**